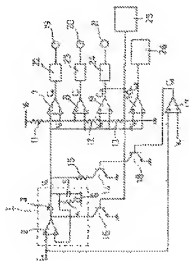


POWER SOURCE VOLTAGE DETECTING CIRCUIT

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 Inventor(s): MIZUMOTO MASAO +
 Applicant(s): SANYO ELECTRIC CO; TOKYO SANYO ELECTRIC CO +
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Abstract of JP 59022113 (A)

PURPOSE: To reduce external capacitors and pins in number by using one capacitor as a smoothing and holding and a delay capacitor in an equipment, such as a portable VTR, in which batteries are used as its power source. **CONSTITUTION:** When the output voltage V0 of the portable VTR, etc., using batteries as its power source drops below a reference voltage V1 as the source voltage E0 of the batteries drops, a display element 20 turns on to indicate battery replacement, but if video recording is still carried on continuously, the output voltage V0 further drops below a reference voltage V2, placing the VTR in stop mode. Then, switching transistors 14 and 16 turn on, so input to a charging and discharging circuit 6 is intercepted to discharge the capacitor 5 to below an output voltage V3 a specific time later, cutting off the source voltage.



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